



Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Institute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

### Complete if Known

Application Number	10/660,881
Filing Date	11 September 2003
First Named Inventor	Michael A. Chack
Art Unit	2144
Examiner Name	T. Nguyen
Attorney Docket Number	0600/96773

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
m	A	us- 5,555,179	09/10/1996	Koyama et al.	
	B	us- 5,765,033	06/09/1998	Miloslavsky	
	C	us- 5,926,539	07/20/1999	Shtivelman	
	D	us- 5,946,387	08/31/1999	Miloslavsky	
	E	us- 5,953,332	09/14/1999	Miloslavsky	
	F	us- 5,953,405	09/14/1999	Miloslavsky	
	G	us- 6,002,760	12/14/1999	Gisby	
	H	us- 6,021,428	02/01/2000	Miloslavsky	
	I	us- 6,044,145	03/28/2000	Kelly et al.	
	J	us- 6,044,368	03/28/2000	Powers	
	K	us- 6,067,357	05/23/2000	Kishinsky et al.	
	L	us- 6,108,711	08/22/2000	Beck et al.	
	M	us- 6,138,139	10/24/2000	Beck et al.	
	N	us- 6,167,395	12/26/2000	Beck et al.	
	O	us- 6,170,011	01/02/2001	Beck et al.	
	P	us- 6,175,563	01/16/2001	Miloslavsky	
	Q	us- 6,175,564	01/16/2001	Miloslavsky et al.	
an	R	us- 6,185,292	02/06/2001	Miloslavsky	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

*Handwritten signature*

Date  
Considered

7/7/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNet, Inc.  
[www.USCourtForms.com](http://www.USCourtForms.com)

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

**Complete if Known**

Application Number	10/660,881
Filing Date	11 September 2003
First Named Inventor	Michael A. Chack
Art Unit	2144
Examiner Name	T. Nguyen
Attorney Docket Number	0600/96773

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DN	S	US- 6,345,305	02/05/2002	Beck et al.	
	T	US- 6,373,836	04/16/2002	Deryugin et al.	
	U	US- 6,389,007	05/14/2002	Shenkman et al.	
	V	US- 6,393,015	05/21/2002	Shtivelman	
DN	W	US- 6,732,156	05/04/2004	Miloslavsky	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

7/8/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNet, Inc.  
[www.USCourtForms.com](http://www.USCourtForms.com)



Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/660,881
Filing Date	11 September 2003
First Named Inventor	Michael A. Chack
Art Unit	
Examiner Name	
Attorney Docket Number	0600/96773

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
M	A	us- 5,555,179	09/10/1996	Koyama et al.	
	B	us- 5,765,033	06/09/1998	Miloslavsky	
	C	us- 5,926,539	07/20/1999	Shtivelman	
	D	us- 5,946,387	08/31/1999	Miloslavsky	
	E	us- 5,953,332	09/14/1999	Miloslavsky	
	F	us- 5,953,405	09/14/1999	Miloslavsky	
	G	us- 6,002,760	12/14/1999	Gisby	
	H	us- 6,021,428	02/01/2000	Miloslavsky	
	I	us- 6,044,145	03/28/2000	Kelly et al.	
	J	us- 6,044,368	03/28/2000	Powers	
	K	us- 6,067,357	05/23/2000	Kishinsky et al.	
	L	us- 6,108,711	08/22/2000	Beck et al.	
	M	us- 6,138,139	10/24/2000	Beck et al.	
	N	us- 6,167,395	12/26/2000	Beck et al.	
	O	us- 6,170,011	01/02/2001	Beck et al.	
	P	us- 6,175,563	01/16/2001	Miloslavsky	
M	Q	us- 6,175,564	01/16/2001	Miloslavsky et al.	
	R	us- 6,185,292	02/06/2001	Miloslavsky	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	5
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

*Chack*

Date  
Considered

10/20/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNot, Inc.  
[www.USCourtForms.com](http://www.USCourtForms.com)

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet

2

of

2

**Complete if Known**

Application Number	10/660.881
--------------------	------------

10/660,881

Filing Date	11 September 2003
-------------	-------------------

11 September 2003

First Named Inventor	Michael A. Chack
----------------------	------------------

Michael A. Chack

Art Unit

Examiner Name

Attorney Docket Number	0600/96773
------------------------	------------

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1 <sup>5</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

**Examiner  
Signature**

Handwritten: \_\_\_\_\_

Date  
Considered

10/20/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process), an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***

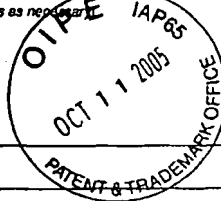
**American LegalNet, Inc.**  
**www.USCourtForms.com**

Substitute for form 1449A/RTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB06A (10-01)  
Approved for use through 10/31/2002. OMB 651-0031  
US Patent & Trademark Office U.S. DEPARTMENT OF COMMERCE**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Sheet 1 of 1

Complete if Known

Application Number	10/660,881
Filing Date	September 11, 2003
First Named Inventor	Chack, Michael
Group Art Unit	2143
Examiner Name	Unknown

Attorney Docket No: 2046.071US2

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date if Appropriate
W	US-2002/0035568A1	03/21/2002	Benthin, M. L., et al.	12/22/2000
	US-2003/0018677	01/23/2003	Mathur, A., et al.	03/06/2002
	US-2005/0135596A1	06/23/2005	Zhao, Y.	02/03/2005
	US-5,001,710	03/19/1991	Gawrys, George W., et al.	10/24/1989
	US-5,764,916	06/09/1998	Busey, A T., et al.	09/27/1996
	US-5,778,178	07/07/1998	Arunachalum, L.	08/05/1996
	US-5,790,800	08/04/1998	Gauvin, W. J., et al.	10/13/1995
	US-5,793,365	08/11/1998	Tang, J., et al.	01/02/1996
	US-5,793,861	08/11/1998	Haigh, Steven P.	06/11/1996
	US-5,825,869	10/20/1998	Brooks, Nancy S., et al.	04/23/1996
	US-5,856,978	01/05/1999	Anthias, T., et al.	08/12/1996
	US-5,884,032	03/16/1999	Bateman, Thomas H., et al.	09/25/1995
	US-5,923,735	07/13/1999	Swartz, J., et al.	05/29/1996
	US-5,951,706	09/14/1999	Benner, A.	01/30/1997
	US-5,956,720	09/21/1999	Fernandez, Maria F., et al.	09/17/1997
	US-5,960,178	09/28/1999	Cochinwala, M., et al.	08/08/1997
	US-5,999,964	12/07/1999	Murakata, Y., et al.	12/13/1996
	US-6,023,510	02/08/2000	Epstein, M.	12/24/1997
	US-6,023,722	02/08/2000	Colyer, A.	07/23/1997
	US-6,029,195	02/22/2000	Herz, F. S.	12/05/1997
	US-6,055,567	04/25/2000	Ganesan, R., et al.	02/02/1998
	US-6,112,186	08/29/2000	Bergh, C. P., et al.	03/31/1997
	US-6,179,206	01/30/2001	Matsumori, K.	12/07/1998
	US-6,199,099	03/06/2001	Gershman, A. V., et al.	03/05/1999
	US-6,202,062	03/13/2001	Cameron, R. N., et al.	02/26/1999
	US-6,226,618	05/01/2001	Downs, E., et al.	08/13/1998
	US-6,401,085	06/04/2002	Gershman, A. V., et al.	03/05/1999
	US-6,424,979	07/23/2002	Livingston, E. B., et al.	12/30/1998
	US-6,449,646	09/10/2002	Sikora, Scott E., et al.	10/13/1998
	US-6,501,832	12/31/2002	Saylor, M. J., et al.	01/11/2000
W	US-6,694,482	02/17/2004	Arellano, J. B., et al.	09/10/1999
W	US-6,889,222	05/03/2005	Zhao, Y.	12/26/2000

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>1</sup>
<b>OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials *	Cite No *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>1</sup>

EXAMINER

Waulup

DATE CONSIDERED

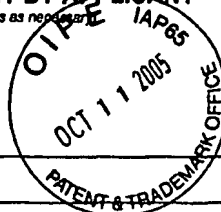
10/20/06

Substitute Disclosure Statement Form (PTO-1449)  
 \* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

BEST AVAILABLE COPY

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as needed.)



Sheet 1 of 1

Complete if Known

Application Number	10/660,881
Filing Date	September 11, 2003
First Named Inventor	Chack, Michael
Group Art Unit	2143 2144
Examiner Name	Unknown T. Nguyen

Attorney Docket No: 2046.071US2

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date if Appropriate
IN	US-2002/0035568A1	03/21/2002	Benthin, M. L., et al.	12/22/2000
	US-2003/0018677	01/23/2003	Mathur, A, et al.	03/06/2002
	US-2005/0135596A1	06/23/2005	Zhao, Y.	02/03/2005
	US-5,001,710	03/19/1991	Gawrys, George W., et al.	10/24/1989
	US-5,764,916	06/09/1998	Busey, A T., et al.	09/27/1996
	US-5,778,178	07/07/1998	Arunachalum, L.	08/05/1996
	US-5,790,800	08/04/1998	Gauvin, W. J., et al.	10/13/1995
	US-5,793,365	08/11/1998	Tang, J., et al.	01/02/1996
	US-5,793,861	08/11/1998	Haigh, Steven P.	06/11/1996
	US-5,825,869	10/20/1998	Brooks, Nancy S., et al.	04/23/1996
	US-5,856,978	01/05/1999	Anthias, T., et al.	08/12/1996
	US-5,884,032	03/16/1999	Bateman, Thomas H., et al.	09/25/1995
	US-5,923,735	07/13/1999	Swartz, J., et al.	05/29/1996
	US-5,951,706	09/14/1999	Benner, A.	01/30/1997
	US-5,956,720	09/21/1999	Fernandez, Maria F., et al.	09/17/1997
	US-5,960,178	09/28/1999	Cochinwala, M., et al.	08/08/1997
	US-5,999,964	12/07/1999	Murakata, Y., et al.	12/13/1996
	US-6,023,510	02/08/2000	Epstein, M.	12/24/1997
	US-6,023,722	02/08/2000	Colyer, A.	07/23/1997
	US-6,029,195	02/22/2000	Herz, F. S.	12/05/1997
	US-6,055,567	04/25/2000	Ganesan, R., et al.	02/02/1998
	US-6,112,186	08/29/2000	Bergh, C. P., et al.	03/31/1997
	US-6,179,206	01/30/2001	Matsumori, K.	12/07/1998
	US-6,199,099	03/06/2001	Gershman, A. V., et al.	03/05/1999
	US-6,202,062	03/13/2001	Cameron, R. N., et al.	02/26/1999
	US-6,226,618	05/01/2001	Downs, E., et al.	08/13/1998
	US-6,401,085	06/04/2002	Gershman, A. V., et al.	03/05/1999
	US-6,424,979	07/23/2002	Livingston, E. B., et al.	12/30/1998
	US-6,449,646	09/10/2002	Sikora, Scott E., et al.	10/13/1998
	US-6,501,832	12/31/2002	Saylor, M. J., et al.	01/11/2000
IN	US-6,694,482	02/17/2004	Arellano, J. B., et al.	09/10/1999
	US-6,889,222	05/03/2005	Zhao, Y.	12/26/2000

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>

EXAMINER

DATE CONSIDERED

10/30/06

Substitute Disclosure Statement Form (PTO-1448)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant to place a check mark here if English language Translation is attached

BEST AVAILABLE COPY